

AMENDMENTS TO THE CLAIMS

1. (ORIGINAL) A method comprising:
receiving order information based on an order of a customer; and
determining an offer for the customer based on:
the order information and
at least one of
a genetic program and
a genetic algorithm.
2. (ORIGINAL) The method of claim 1, further comprising:
determining an order price based on the order information,
and in which determining an offer comprises:
determining an offer for the customer based on
the order price, and
at least one of
a genetic program and
a genetic algorithm.
3. (ORIGINAL) The method of claim 2, in which determining an offer
comprises:
determining an offer for the customer based on
a round-up amount, and
at least one of
a genetic program and
a genetic algorithm.

4. (CANCELLED)
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6. (ORIGINAL) A device, comprising:
a processor; and
a storage device coupled to the processor and storing instructions adapted to be executed by said processor to perform the method of claim 1.
7. (PREVIOUSLY AMENDED) A medium storing instructions adapted to be executed by a processor to perform the method of claim 1.
8. (CANCELLED)
9. (PREVIOUSLY PRESENTED) The method of claim 1, further comprising:
determining a transaction total based on the order information; and
calculating a difference between the transaction total and a next-highest dollar amount greater than the transaction total.
10. (PREVIOUSLY PRESENTED) The method of claim 9, in which determining an offer for the customer based on the order information and at least one of a genetic program and a genetic algorithm comprises:
determining an offer for the customer based on:
the difference and
at least one of

a genetic program and
a genetic algorithm.

11. (PREVIOUSLY PRESENTED) The method of claim 10, further comprising:
determining an amount of sales tax associated with the transaction;
and in which determining an offer for the customer based on the order information and at least one of a genetic program and a genetic algorithm comprises:

determining an offer for the customer based on:
the difference,
the amount of sales tax, and
at least one of
a genetic program and
a genetic algorithm.

12. (PREVIOUSLY PRESENTED) The method of claim 1, further comprising:

displaying the offer on a display.

13. (PREVIOUSLY PRESENTED) The method of claim 1, further comprising:

determining a transaction total based on the order information;
providing the offer to the customer;
receiving an indication of acceptance of the offer;

generating new order information representing at least one additional product being added to the order information; and
determining a new transaction total based on the new order information.

14. (PREVIOUSLY PRESENTED) The method of claim 1, in which determining an offer comprises

determining an offer for the customer based on:

the order information,
at least one of a genetic program and a genetic algorithm, and
historical offer criteria.

15. (NEW) The method of claim 1, further comprising:
generating a plurality of genetic programs, in which each genetic program is given an opportunity to generate at least one respective offer.

16. (NEW) The method of claim 15, further comprising:
selecting at least one of the plurality of genetic programs at random to generate a respective offer.

17. (NEW) The method of claim 1, further comprising:
generating a base set of rules based on historical order information;
creating new rules based on:
the base set of rules, and
additional historical information; and
optimizing the new rules based on experience from orders.

18. (NEW) The method of claim 1, in which determining the offer comprises:

determining a respective score for each of a plurality of potential offers.

19. (NEW) The method of claim 1, further comprising:

determining a first plurality of genetic programs;

determining a respective fitness of each genetic program of the plurality of genetic programs; and

determining a second plurality of genetic programs based on the first plurality of genetic programs and its respective fitness.

20. (NEW) The method of claim 19, in which determining the second plurality of genetic programs comprises:

modifying at least one genetic program of the first plurality of genetic programs.

21. (NEW) The method of claim 19, in which determining the second plurality of genetic programs comprises:

generating at least one new genetic program using a crossover process.

22. (NEW) The method of claim 19, in which determining the second plurality of genetic programs comprises:

generating at least one new genetic program using a replication process.

23. (NEW) The method of claim 19, in which determining the second plurality of genetic programs comprises:

generating at least one new genetic program using a mutation process.

24. (NEW) The method of claim 1,
in which the customer is at a retail store; and
further comprising:

displaying the offer to the customer via a display at the retail store.

25. (NEW) The method of claim 18, in which the retail store comprises a
quick service restaurant.

26. (NEW) The method of claim 18, in which the offer comprises an offer
for at least one food item.